

Fig. 1

Dispatch File
Record
Record
⋮

~30

Exception File
Record
Record
⋮

~32

Invoice File
Record
Record
⋮

~34

Outbound Vehicle File
Record
⋮

~36

Employee File
Record
Record
⋮

~38

Employee Pager File
Record
⋮

~40

Pager Service File
Record
Record
⋮

~42

Automated Dispatch Requests File
Record
Record
⋮

44

Automated Dispatch Responses File
Record
Record
⋮

46

Automated Dispatch Setup File
Record
Record
⋮

~48

Status Limit File
Record
Record
⋮

~49

Fig. 2

Dispatch File

- 1Transport ID Number
- 2Status Flag (= " ", "D", "C", or "F")
- 3Date of Service
- 4Appointment Time (= <time> or "ASAP")
- 5Lead Time
- 6Transport Type (Wheelchair/Basic/AdvancedLifeSupport)
- 7Vehicle ID Number
- 8Driver Employee Number
- 9Attendant Employee Number
- 10Pickup Location
- 11Pickup Latitude
- 12Pickup Longitude
- 13Destination Location
- 14Destination Latitude
- 15Destination Longitude
- 16Time of Call
- 17Time Crew Notified
- 18Time Crew Dispatched
- 19Time Crew En Route to Pickup (Scene)
- 20Time Crew Arrived at Pickup (Scene)
- 21Time Crew En Route to Destination
- 22Time Crew Arrived at Destination
- 23Time Crew Reported as Available
- 24Reason for transport 1
- 25Reason for transport 2
- 26Reason for transport 3
- 27Reason for transport 4
- 28Patient ID number
- 29Name of caller
- 30Contract number
- 31Base rate codes
- 32Mileage rate codes
- 33Extra services rate codes
- 34Billing address codes

Fig. 3A

Invoice File

- 1Transport ID Number
- 2Date of Service
- 3Vehicle ID Number
- 4Driver Employee Number
- 5Attendant Employee Number
- 6Pickup Location
- 7Destination Location
- 8Time of Call
- 9Time Crew Notified
- 10Time Crew Dispatched
- 11Time Crew En Route to Pickup (Scene)
- 12Time Crew Arrived at Pickup (Scene)
- 13Time Crew En Route to Destination
- 14Time Crew Arrived at Destination
- 15Time Crew Reported as Available
- 16Reason for transport 1
- 17Reason for transport 2
- 18Reason for transport 3
- 19Reason for transport 4
- 20Patient ID number
- 21Name of caller
- 22Contract number
- 23Base rate codes
- 24Mileage rate codes
- 25Extra services rate codes
- 26Billing address codes

Fig. 3B

Outbound Vehicle File

- 1Vehicle ID Number
- 2Transport ID Number

Fig. 3C

Employee File

- 1Employee ID Number
- 2Employee Name

Fig. 3D

Employee Pager File

- 1Employee ID Number
- 2Pager Service Code Number
- 3Pager PIN Number
- 4Pager Phone Number
- 5Text or Alpha ("T" or "A")

Fig. 3E

Pager Service File

- 1Pager Service Code Number
- 2Pager Service Modem Number
- 3Pager Modem Login ID
- 4Pager Modem Password
- 5Pager Modem Baud Rate
- 6Pager Modem Word Length
- 7Pager Modem Stop Bits
- 8Pager Modem Script Name

Fig. 3F

Automated Dispatch Requests File

- Message Packet Key Code
 - Terminal ID Number
 - Transport ID Number
 - Unique Sequence Number (000)
- Message Body

Fig. 3G

Automated Dispatch Responses File

- Message Packet Key Code
 - Terminal ID Number
 - Transport ID Number
 - Unique Sequence Number (000)
- Message Body

Fig. 3H

Automated Dispatch Setup File

- 1 Company Code
- 2 Dispatch Advance Action Setting (minutes)
- 3 Monitor Status Late Activity ("Yes"/"No")
- 4 AVL Port Operating System Name
- 5 AVL Port Lock File Name

Fig. 3I

Exception File

- 1 Transport ID Number
- 2 Exception code

Fig. 3J

Status Limit File

- 1 Company Code
- 2 Notified limit (minutes)
- 3 Dispatched limit (minutes)
- 4 En Route to Pickup limit (minutes)
- 5 Arrived limit (minutes)
- 6 En Route to Destination limit (minutes)
- 7 At Destination Limit (minutes)
- 8 ASAP Limit (minutes)

Fig. 3K

From CAD

record code = 01
 record ID = transport number + terminal number + sequence (000)
 transport / vehicle type (als / bls / w/c)
 pick up address
 pick up city
 pick up state
 pick up zip code
 quantity of vehicle to return from search
 CRC

Fig. 3K-1

From AVL

record code = 02
 record ID = transport number + terminal number + sequence (000)
 vehicle string (sorted closest to farthest away from address)
 CRC

Fig. 3K-2

From CAD

record code = 10
record ID = transport number + terminal number + sequence (000)
vehicle ID number
pick up address
5 pick up city
pick up state
pick up zip
destination address
10 destination city
destination state
destination zip
CRC

Fig. 3L-1

From AVL

record code = 11
record ID = transport number + terminal number + sequence (000)
route string
CRC

Fig. 3L-2

From CAD

record code = 30
 record ID = transport number + terminal number + sequence (000)
 vehicle ID number
 transport number
 5 date of service
 appointment time
 transport type
 patient name
 patient phone number
 10 pick up street address
 pick up city
 pick up state
 pick up zip code
 destination street address
 15 destination city
 destination state
 destination zip code
 reason for transport 1
 reason for transport 2
 20 reason for transport 3
 reason for transport 4
 time of call
 notified
 dispatched
 25 in route
 arrive pick up
 in route
 arrive destination
 available
 30 route message
 CRC

Fig.
3M-1**From AVL**

record code = 31
 record ID = transport number + terminal number + sequence (000)
 CRC

Fig.
3M-2

From CAD

record code = 70
 record ID = transport number + terminal number + sequence (000)
 transport number
 vehicle number
 pickup street address
 pickup city
 pickup state
 pickup zip code
 destination street address
 destination city
 destination state
 destination zip code
 CRC

Fig 3N-1

From AVL

record code = 71
 record ID = transport number + terminal number + sequence (000)
 transport number
 pickup latitude
 pickup longitude
 destination latitude
 destination longitude
 CRC

Fig. 3N-2

From CAD

record code = 60
 record ID = vehicle ID number
 vehicle ID number
 transport number
 5 transport type
 appointment time
 transport status code
 transport status time
 driver employee number
 10 attendant employee number
 patient name
 pick up address
 pick up city
 pick up state
 15 pick up zip code
 destination address
 destination city
 destination state
 destination zip code
 CRC

Fig. 30-1

From AVL

record code = 61
 record ID = vehicle number
 CRC

Fig. 30-2

From AVL

record code = 50 1D
 record ID = vehicle number
 CRC

Fig. 3P-1

From CAD

record code = 51
 record ID = vehicle ID number
 vehicle ID number
 transport number
 transport type
 appointment time
 transport status code
 transport status time
 driver employee number
 attendant employee number
 patient name
 pick up address
 pick up city
 pick up state
 pick up zip code
 destination address
 destination city
 destination state
 destination zip code
 CRC

Fig. 3P-2

From AVL

record code = 40
 record ID = transport number + vehicle ID number + sequence (000)
 vehicle ID number
 transport number
 5 date of service
 appointment time
 transport type
 patient name
 patient phone number
 10 pick up street address
 pick up city
 pick up state
 pick up zip code
 destination street address
 15 destination city
 destination state
 destination zip code
 reason for transport 1
 reason for transport 2
 20 reason for transport 3
 reason for transport 4
 time of call
 notified
 dispatched
 25 in route
 arrive pick up
 in route
 arrive destination
 available
 CRC

Fig. 3Q-1

From CAD

record code = 41
 record ID = transport number + vehicle ID number + sequence (000)
 vehicle ID number
 CRC

Fig. 3Q-2

From AVL

record code = 20
record ID = transport number + vehicle number
status level (1 - 8 from mobile data terminal switch device)
CRC

Fig. 3R-1

From CAD

record code = 21
record ID = transport number + vehicle number
status level (1 - 8 returned for acknowledgment)
CRC

Fig. 3R-2

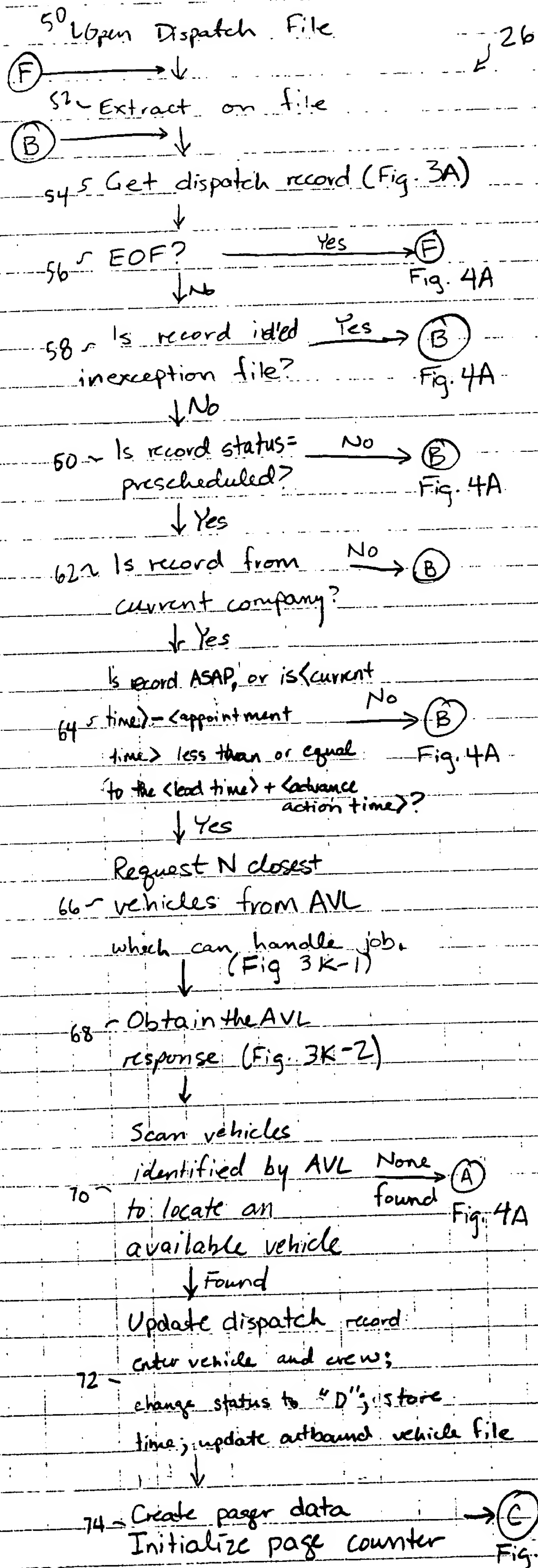
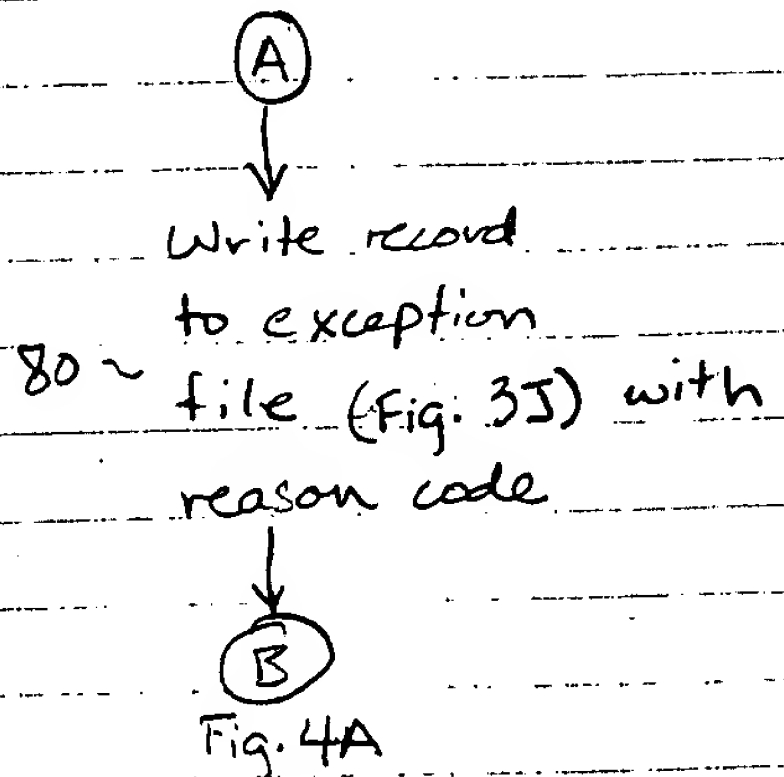


Fig. 4A



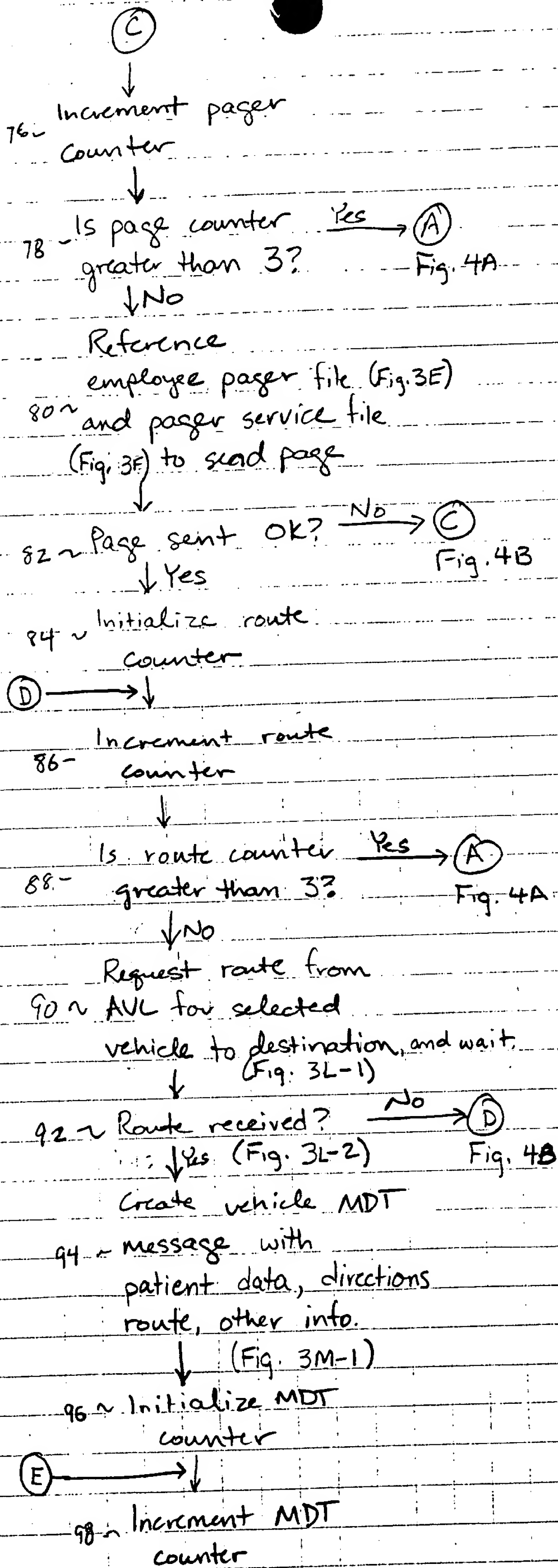
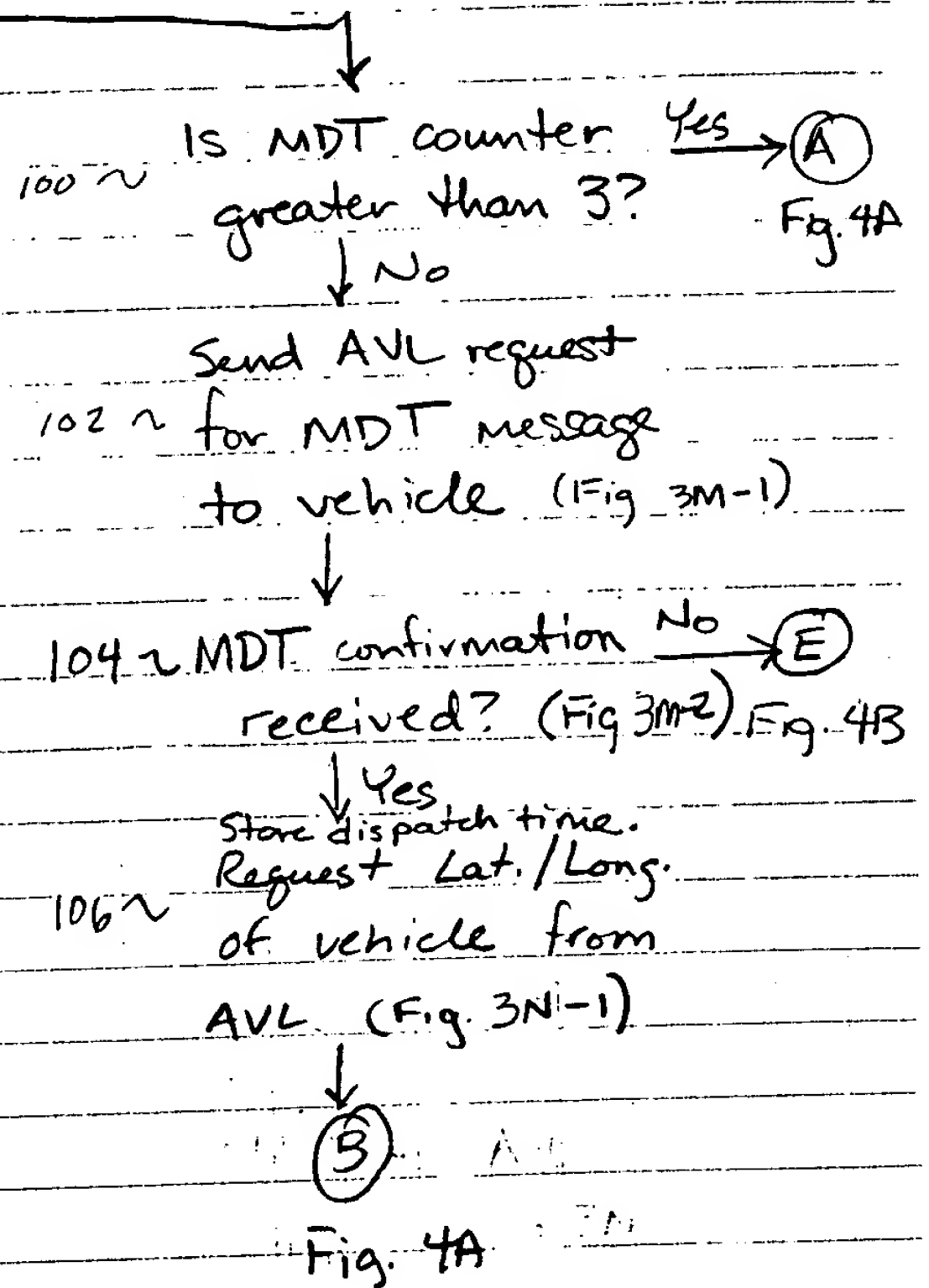


Fig. 4B



120 ~ Open Dispatch File

③ →

122 ~ Extract on file

③ →

Get dispatch

124 ~ record (Fig. 3A)

↓

126 ~ EOF?

↓

③

Fig. 5

129 ~ Is record idled in exception file?

Yes

③

Fig. 5

↓ No

130 ~ Is record status = dispatched?

No

③

Fig. 5

↓ Yes

132 ~ Is record from current company?

No

③

Fig. 5

↓ Yes

134 ~ Has vehicle reported as arrived?

Yes

↓ No

136 ~ Is this an appointment or ASAP record?

ASAP

138

Compare (current time) minus (time of call) to (ASAP limit) to determine whether vehicle is late

Vehicle Not late

Appointment

137

Compare (appointment time) and (current time) to determine whether vehicle is late.

Vehicle Not late

③

Fig. 5

140 ~ Status late monitoring enabled for company?

↓ Yes

Compare limit setting for current status to

Vehicle Late

③

Fig. 5

142

(current time) - (status time) to determine whether vehicle is late.

Vehicle Not Late

28

Fig. 5

③

Write record

to exception

160 ~ file (Fig. 3J)

with reason code

↓

③

Fig. 5

Has vehicle reported as available?

No

③

Fig. 5

144

↓ Yes

Mark record as

finished and write

to dispatch file. Delete

Record from outbound vehicle file

146

Create invoice record

(Fig. 3B) from dispatch

148

record and write to invoice file

↓

Notify AVL of

150 ~ new vehicle

status (Fig. 30-1)

↓

③

Fig. 5

Open AVL port,

170 ~ Responses and
Requests File

A

172 ~ Read Record from
Requests File

174 ~ End of File?

YES

B

Fig. 6B

E

NO

Write Record

176 ~ to AVL port

178 ~ Set Counter = 0

180 ~ Acknowledgment
Received?

YES

Delete record
from requests file

B

Fig. 6B

NO

Counter =

182 ~ Counter + 1

NO

Counter > 2? ~ 184

YES

186 ~ Format Exception
Record188 ~ Write Exception
Record

B

Fig. 6B

Fig. 6A

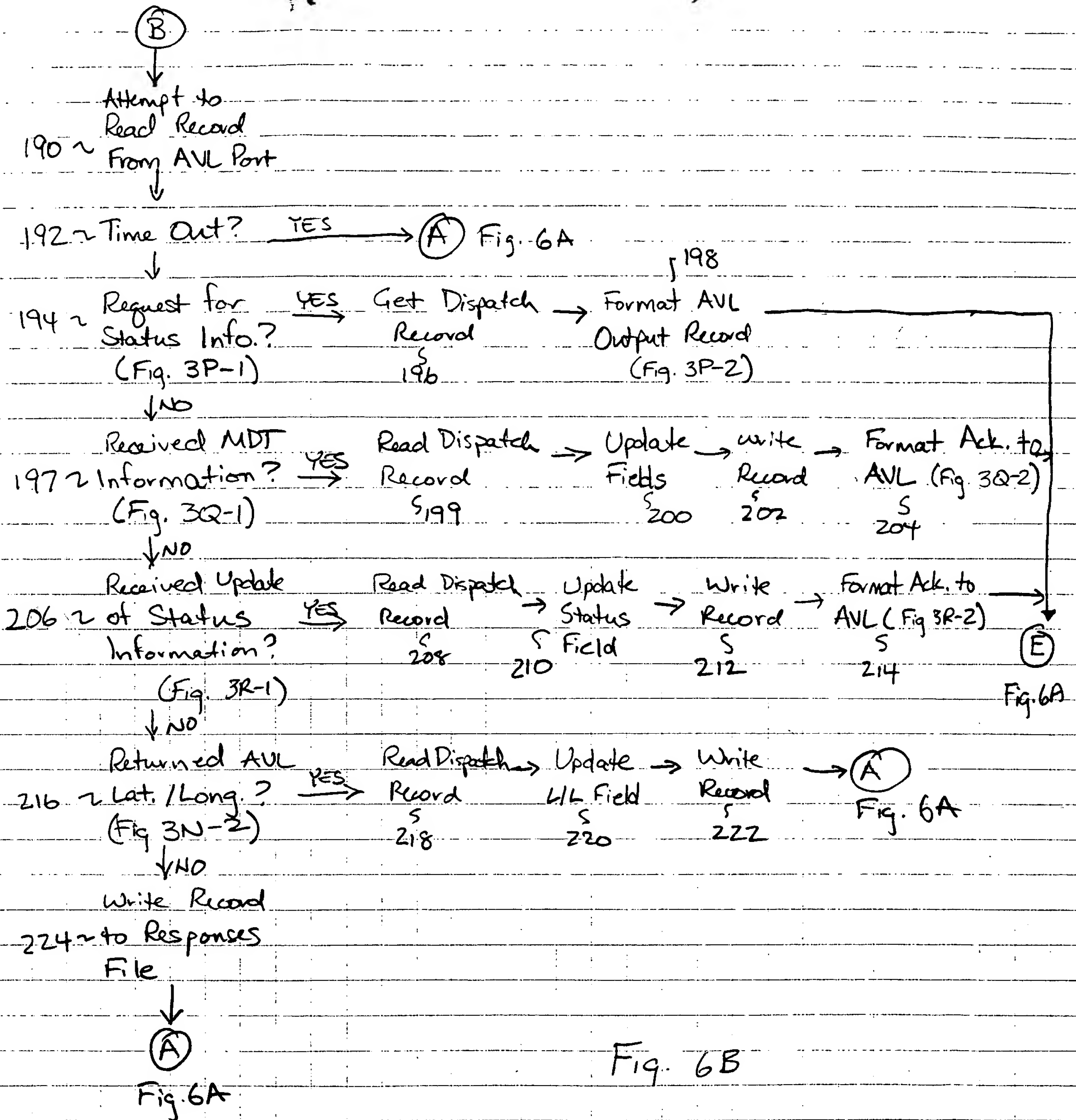


Fig. 6B